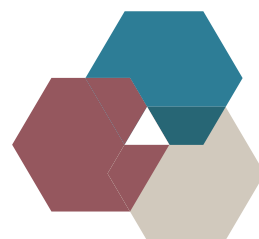


IME First Thursday Distinguished Colloquium Series



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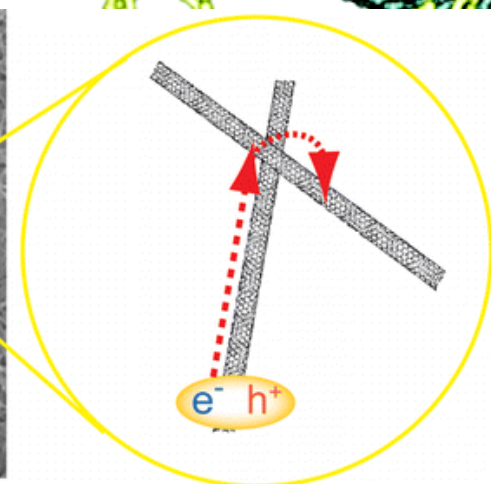
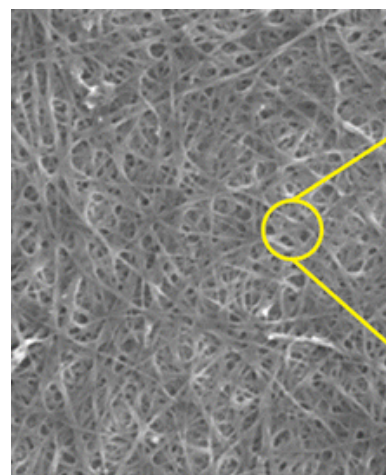
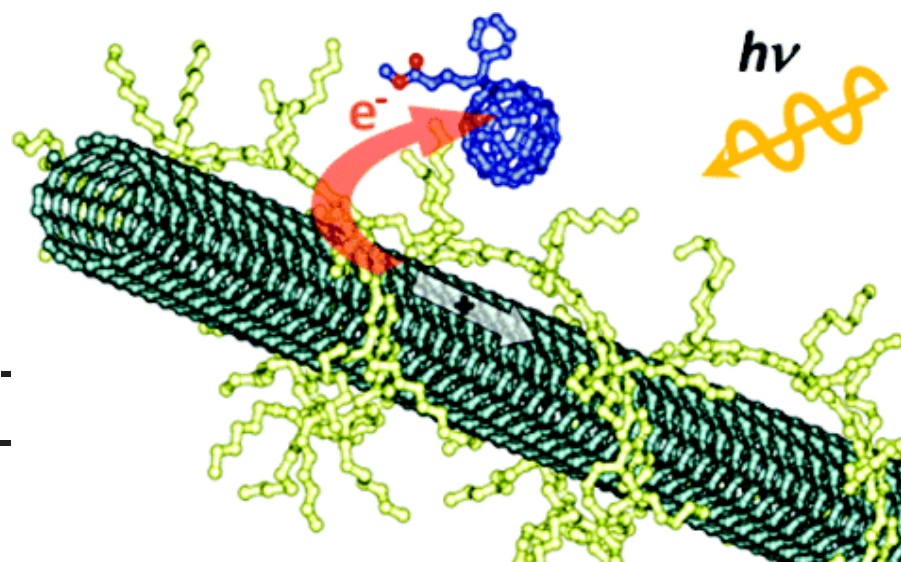
Martin Zanni

Department of Chemistry, University of Wisconsin-Madison



Exciton transport in carbon nanotube photovoltaics using 2D White-Light Spectroscopy

It is now possible to construct meso-scale films made entirely from semi-conducting carbon nanotubes. These films are exciting materials for next generation photovoltaics and electronics. We are studying their exciton transport properties using femtosecond 2D White-Light spectroscopy that maps the photoexcitation dynamics as the energy moves through the film. We observe exciton hopping, exciton dissociation, and anti-correlated energy levels, which have important implications for their use in optoelectronics.



Thursday, December 4th

10:30 AM CCD Boardroom

<http://ime.uchicago.edu/>